

## B.S. Wildlife Ecology and Conservation

*This is not an official list of degree requirements. Adjustments may be required due to curriculum changes.*

### First Year

#### Fall

Course	Prerequisite	Credit
FW1050 – Natural Resource Professional ( <i>Essential Education: Seminar</i> )		2
FW2010 – Vegetation of North America		4
FW2051 – Field Techniques		2
BL1400 – Principles of Biology ( <i>Essential Education: Science</i> )		3
BL1410 – Principles of Biology Lab	BL1400 (C)	1
UN1015 – Composition ( <i>Essential Education</i> )		3
<b>Total</b>		<b>15</b>

#### Spring

Course	Prerequisite	Credit
FW1075 – Current Issues in Wildlife		1
CH1150 – University Chemistry I ( <i>Essential Education: STEM</i> )	Math Placement	3
CH1151 – University Chemistry I lab	CH1150 (C)	1
MA1135 – Calculus for Life Science ( <i>Essential Education: Math</i> )	Math Placement	4
<i>Essential Education: Foundations of the Human World</i>		3
<i>Essential Education: SHAPE</i>		3
<i>Essential Education: Activities</i>		1
<b>Total</b>		<b>16</b>

### Second Year

#### Fall

Course	Prerequisite	Credit
FW3020 – Forest Ecology	FW2010 (C), FW2051 (C)	3
FW3601 – Wildlife Research Techniques	FW2051 (C)	3
MA2720 – Statistical Methods	MA1030 or MA1032	4
<i>Essential Education: Communication Intensive</i>		3
<b>Total</b>		<b>14</b>

#### Spring

Course	Prerequisite	Credit
FW3112 – Human Dimensions of Conservation	FW1050	3
FW3200 – Biometrics & Data Analysis	FW2051 & MA2720	4
FW3540 – Intro to GIS	MA2720 (C)	4
<i>Essential Education: Arts and Culture</i>		3
<i>Essential Education: Activities</i>		1
<b>Total</b>		<b>15</b>

### Third Year

#### Fall

Course (taken as block at Ford Center)	Prerequisite	Credit
FW3012 – Survey of Silviculture	FW2010 & FW2051	2
FW3170 – Land Measurements/GPS	FW3540	1
FW3180 – Geomorphology, Landscapes, and Ecosystems		2
FW3190 – Multi-Resource Assessment	FW2051 & FW3020 & FW3200	3
FW3600 – Wildlife Habitat		3
FW3800 – Insect Ecology		2
FW3840 – Forest Health		3
<b>Total</b>		<b>16</b>

#### Spring

Course	Prerequisite	Credit
FW3320 – Forest Genetics & Genomics OR FW4128 – Conservation Genetics		3
Wildlife Directed Elective		3-4
<i>Essential Education: Experience</i>		3
<i>Essential Education: Intercultural Competency</i>		3
<i>Essential Education: Activities</i>		1
<b>Total</b>		<b>13-14</b>

### Fourth Year

#### Fall

Course	Prerequisite	Credit
FW3410 – Conservation Science		3
FW4260 – Population Ecology		3
FW4610 – Wildlife Ecology	FW3020	3
FW4800 – Communications for Nat Res		2
FW4815 – Wildlife Capstone: Research	FW3190 & FW3601	2
Wildlife Directed Elective		4
<b>Total</b>		<b>17</b>

#### Spring

Course	Prerequisite	Credit
FW4835 – Wildlife Capstone: Conservation	FW4815	2
Wildlife Directed Elective		3-4
Free Electives		9
<b>Total</b>		<b>14-15</b>

Wildlife Directed Electives (Choose 3)		Prerequisites for all are (BL1400 & BL1410) OR (BL1200 & BL1210)
<b>Course #</b>	<b>Course Title &amp; Credits</b>	<b>Semester Offered</b>
FW3610	Ornithology (4) ( <i>Essential Education: STEM</i> )	Spring
FW3850	Animal Behavior (3)	Spring – even years
FW4240	Mammalogy (4) ( <i>Essential Education: STEM</i> )	Fall
FW4620	Herpetology (3)	Spring – odd years
FW4635	Wildlife Disease Ecology (3)	Spring – even years
BL4440	Fish Biology (4)	Fall

**NOTE:****Prerequisite courses:**

- The prerequisite course must be successfully completed PRIOR to taking the subsequent course. Concurrent Prerequisites ~ (C) ~ may be taken at the same time, although it is not necessary if the prerequisite course is completed first. Required Corequisite courses that MUST be taken together in the same semester. See your academic advisor for questions.

**Essential Education Requirements:**

- 24 total credits. Required courses are UN1015-Composition (3 credits), a Foundations in the Human World course (3 credits), a Communication Intensive course (3 credits), an Arts & Culture course (3 credits), an Intercultural Competency (3000+) course (3 credits), a SHAPE course (3 credits), an Essential Education Experience (3000+) course (3 credits), and 3 credits of Activities for Wellbeing and Success. Activities for Well-being and Success: Mainly physical education courses with some additions. Three credits are required for graduation. These credits will be included as earned hours and may be used to determine full-time enrollment status.